

TECRA 500CDT Product Specifications

500CDT:1.3 Billion Bytes: PA1221U-T2A

PROCESSOR

Intel Pentium® 120Mhz (2.9v/3.3v) w/VRT	Yes
External data bus width	64 bit
External data/address bus speed	60 MHz
Integrated Coprocessor	Yes
Processor Cache	16KB: (8KB code; 8KB data)

LEVEL 2 (L2) CACHE

Data Bus Width	64 bit
Data Bus Speed	60 MHz
DATA RAM:	Yes
1 Mbit Pipelined Burst Synchronous SRAM	(32K x 32bit, 3.3V) x 2
Access Time	8 ns
TAG-RAM:	Yes
256Kbit Asynchronous SRAM	(32K x 8bit, 3.3V) x 1
Access Time	14 ns

SYSTEM ARCHITECTURE (All models)

PCI BUS: (32-bit, 30 MHz)	Connecting Devices: PC Card Slots, Expansion Bus, Graphics Controller
ISA BUS: 16-bit, 8 MHz	Connecting Devices: BIOS, FDD, HDD, CD-ROM, Sound chip, KBC

MEMORY: 16Mbit EDO DRAM, 3.3V

Standard	16 MB
Maximum	144 MB
Speed	60ns
Hyper Page mode memory access	Yes
Data width	64 bit
BIOS (256KB FLASH EPROM, 150ns, 5V)	Yes
PnP 1.0a SUPPORT	Yes

DISPLAY

Type	TFT Active Matrix Color
Size	12.1" (9.68"W x 7.26"H)
Dot Pitch	.30mm x .30mm
Contrast Ratio	100:1 (min)

VIDEO

Memory: 4Mbit EDO DRAM, 5V	2 MB
Speed	50ns
Hyper Page mode support	Yes
Controller Chip	C&T HIQV32 (CT65550)
PCI Bus Architecture w/burst mode	Yes: 32-bit, 30 MHz
Graphics Accelerator:	Yes
64-bit BitBLT, LINEdraw, H/W Cursor	Yes
Video Accelerator:	Yes
YUV-to-RGB color space conversion	Yes
Zoomed Video Port Support	Yes
DirectVideo support	Yes:w/Game SDK driver fr/Microsoft
Color Palette	16.7M colors
Internal Resolution	800 x 600 x 16.7M/16.7M colors
Smaller Image	640 x 480 x 16.7M/16.7M colors
Virtual Display Mode	1024 x 768 x 64K/64K colors 1280 x 1024 x 256/256K colors
External Resolution	<u>Colors/Palette</u>
640 x 480	16.7M colors/16.7M colors
800 x 600	16.7M colors/16.7M colors
1024 x 768	64K colors/64K
1280 x 1024	256 colors/256K

Refresh Rate @ 1024x768/ 64k colors Non-Interlaced¹ Vert.: 60Hz; Hor.: 48.5kHz

1. Refresh Rate @ 1024x768/ 256 colors Non-Interlaced : Vert.: 85 Hz; Hor.: 68.8 kHz

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STORAGE

Removeable HDD (2.5" Enhanced IDE)	1.3 billion bytes=1.26GB (13msec)
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SELECT BAY DEVICES

Modular FDD (3.5" 1.44MB)

FDD Dimensions	4.57" L x 3.8" W x .59" H
FDD Weight	.29 lbs
Simultaneous FDD & CD-ROM Support ³	Yes: External FDD adapter included
FDD Adapter Dimensions	7.0" L x 5.5" W
FDD Adapter Weight	.25 lbs

Modular HDD (2.5" Enhanced IDE)

Capacity	1.3 billion bytes=1.26GB (13msec)
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Modular CD-ROM: Toshiba XM-1402B

5.25" 6x-speed	Included/Swappable with CD-ROM
Weight	4.57" L x 3.8" W x .59" H
Interface	.29 lbs
Random Access Time	Yes: External FDD adapter included
Sustained Transfer Rate	7.0" L x 5.5" W
Supported Disc formats	.25 lbs
	Optional/Swappable with FDD
	1.026 KB/sec
	CD-DA, CD-ROM, CD-ROM XA, CD-Bridge (Photo-CD, Video-CD),
	CD-I, CD-I Ready, CD-G, Multisession (Photo-CD, CD-Plus)

KEYBOARD

82 keys, 3mm Travel	Yes
12 dedicated function keys	Yes
Cursor control (8 Keys, Inverted "T")	Yes
Numeric keypad (Integrated Overlay)	Yes

Integrated Pointing Device

Integrated Pointing Device	AccuPoint™
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EXPANSION SLOTS

Two Stacked PC Card Slot ²	Yes: CardBus & ZV Card Ready
32-bit, 3.3V PC CardBus Support	Yes
16-bit, 5.0V PC Card Support	Yes
Internal Memory Slot (One only)	Yes

EXPANSION PORTS

One RJ-11 port for internal modem (supplied)	Yes
One 9-Pin Serial (16550 UART compliant)	Yes
One 25-Pin Parallel (8 bit ECP)	Yes
One 15-Pin RGB (SVGA video)	Yes
Fast Infrared ports (Front and Back)	Yes: IrDA 1.1:4Mbps compatible
One (PS/2) 101 Keyboard/Mouse port	Yes
One External Floppy Drive port	Yes
Microphone (3.5mm mini jack, monoaural)	Yes
Headphone (3.5mm mini jack, stereo)	Yes
Line-in (3.5mm mini jack, stereo, 2V rms)	Yes
Line-out (3.5mm mini jack, stereo, 0.7V rms)	Yes
Noteworthy security lock port	Yes

INTERNAL MODEM (All Models)

Data support	28.8 /14.4 Kbps Data/Fax/Voice modem
Protocols supported	Bell-103/212A, CCITT-V.21/V.22, V.32, V.32bis, V.34
Error correction	MNP 1-4
Data compression	MNP 5, CCITT V.42 bis
Fax support	V.21 ch2, V.27 ter, V.29, V.17
Protocols supported	1
Fax class	
Supported Functions	Speaker phone, Telephony Answering Machine, Ring Wake-up Resume Incoming Call Discrimination, Caller ID

² Holds two - 5mm PC Cards Type II or one - 10.5mm PC Card Type III. ³External FDD adapter is included w/the purchase of CD-ROM kit (PA2657U).

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Desk Station V Plus (Optional)	
(2) Full length 32-bit PCI/16-bit ISA slots	Part# PA2710U
(1) Half Length 32-bit PCI slot	Yes
(2) Type III PC Card slots	Yes
Built-in SCSI II	Yes
5.25" half height drive bay	Yes
Select Bay for Modular FDD, HDD, CD-ROM	Yes
Designed for Windows 95 and PNP	Yes
Hot Docking Support	Yes
NoteDock II™ Port Replicator (Optional)	
Two Type III CardBus ready PC Card slots	Part# PA2713U
Supported Interfaces	Yes: each slot supports one card Serial, parallel, PS/2 keyboard, PS/2 mouse, DC in, SVGA monitor, lock slot, joystick/MIDI, audio line-in, line-out, headphone, microphone
POWER	
<i>Autosensing Internal AC Power Supply</i>	Yes
Input (Voltage/Frequency)	100-240V; 50-60Hz
Output (Voltage/Amps)	15 VDC; 2A (max)
Power Output (Watts)	30W
Battery Type: Li-Ion (10.8V, 3600mAH)	Yes: Part# PA2490UR
Battery Life: (Full Power/Low Power)	2+ hrs.
Recharge Time (Computer Off/On)	2-3 hrs.(Off) /5-8 hrs.(On)
MaxTime® Power Management	Yes
SOUND SYSTEM (All Models)	
Chipsets:	Crystal Semiconductor CS4232, Yamaha OPL3 (YMF262), Yamaha D/A converter (YAC512)
16 bit stereo audio playback/record	Yes
Full duplex function	Yes
Sound formats supported:	SoundBlaster Pro™, .WAV, MIDI, Zoomed video port audio (stereo), CardBus audio (monaural), CD-ROM audio
DirectSound support	Yes: with Windows 95 Game SDK driver from Microsoft
Speaker system:	Two top-mounted stereo speakers (28mm, 8 Ω)
DIMENSIONS	
WEIGHT (includes .86 lbs. battery)	11.77"W x 9.25"D x 2.28"H
	8.0 lbs.
BUNDLED SOFTWARE (All Models)	
	<i>User selectable</i> Windows® 95 or Windows® for Workgroups 3.11 and MS-DOS 6.22® w/Special Enhancements; Intel Indeo Video™; Synchro Multimedia Connect Communications utilities; Sony Music Screeners™ screen saver; Mediomatics MPEG ARCADE Player™, America Online®, CompuServe®, Netscape Navigator™, magiCDisc™, Dow Jones Personal Journal™, Fn-esse™, Hypertext online documentation
SECURITY (All Models)	
WARRANTY	Lock slot, power-on & HDD password, screen blank, keyboard lock
ENVIRONMENTAL SPECIFICATIONS	
Temperature:	Operating 41°F (5°C) to 95°F (35°C) Non-operating -4°F (-20°C) to 149° (65°C) Thermal Gradient 20° C per hour (max.)
Relative Humidity:	Operating 20% to 80% non-condensing Non-operating 10% to 90% non-condensing
Altitude:	Operating -197 to 9,843ft. (-60 to 3000m) Non-operating -197 to 32,808ft. (-60 to 10,000m)
Shock:	Operating 10G; 1.5G w/CD-ROM installed Non-operating 60G; 50G w/CD-ROM installed
Vibration:	Operating 0.5G; 0.25G w/CD-ROM installed Non-operating 1G; 1G w/CD-ROM installed